

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP 03/02877

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B1/707 H04B7/02 H04Q7/32 H04B7/185

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 652 748 A (JOLMA PETRI ET AL) 29 July 1997 (1997-07-29) abstract column 2, line 46 -column 3, line 25 claims 1,5 figures 2,3	1-7
X	WO 01 01594 A (ERICSSON INC) 4 January 2001 (2001-01-04) abstract page 2, line 14 - line 29 page 6, line 11 - line 26 claim 1; figure 4	1,4-7
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

19 February 2004

Date of mailing of the international search report

26/02/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PC 03/02877

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 233 626 A (AMES STEPHEN A) 3 August 1993 (1993-08-03) abstract column 2, line 20 - line 39 column 2, line 47 -column 3, line 5 column 3, line 60 -column 4, line 13 claim 1; figures 1,2 -----	1,4-7
X	EP 0 942 540 A (TOKYO SHIBAURA ELECTRIC CO) 15 September 1999 (1999-09-15) abstract column 5, paragraph 27 figure 2 -----	1,4

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			AT 180136 T	15-05-1999
			AU 673464 B2	07-11-1996
			AU 7658894 A	10-04-1995
			CN 1116033 A , B	31-01-1996
			DE 69418448 D1	17-06-1999
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			EP 0670098 A1	06-09-1995
			WO 9508901 A1	30-03-1995
			JP 3192428 B2	30-07-2001
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			US 6480526 B1	12-11-2002

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International Application No

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